

ABSTRACT:

The invention relates to a processing system comprising a calculation device comprising at least one calculation unit (13), a storage device and a system for switching between the storage device and the calculation device. In order to reduce the size of the switching system, the storage device comprises several banks of registers (21, 22) for storing
5 words, the switching system comprises at least one switching device (24) associated with each bank of registers and the calculation units exchange a word with a bank of registers by means of the associated switching device.

Fig. 4